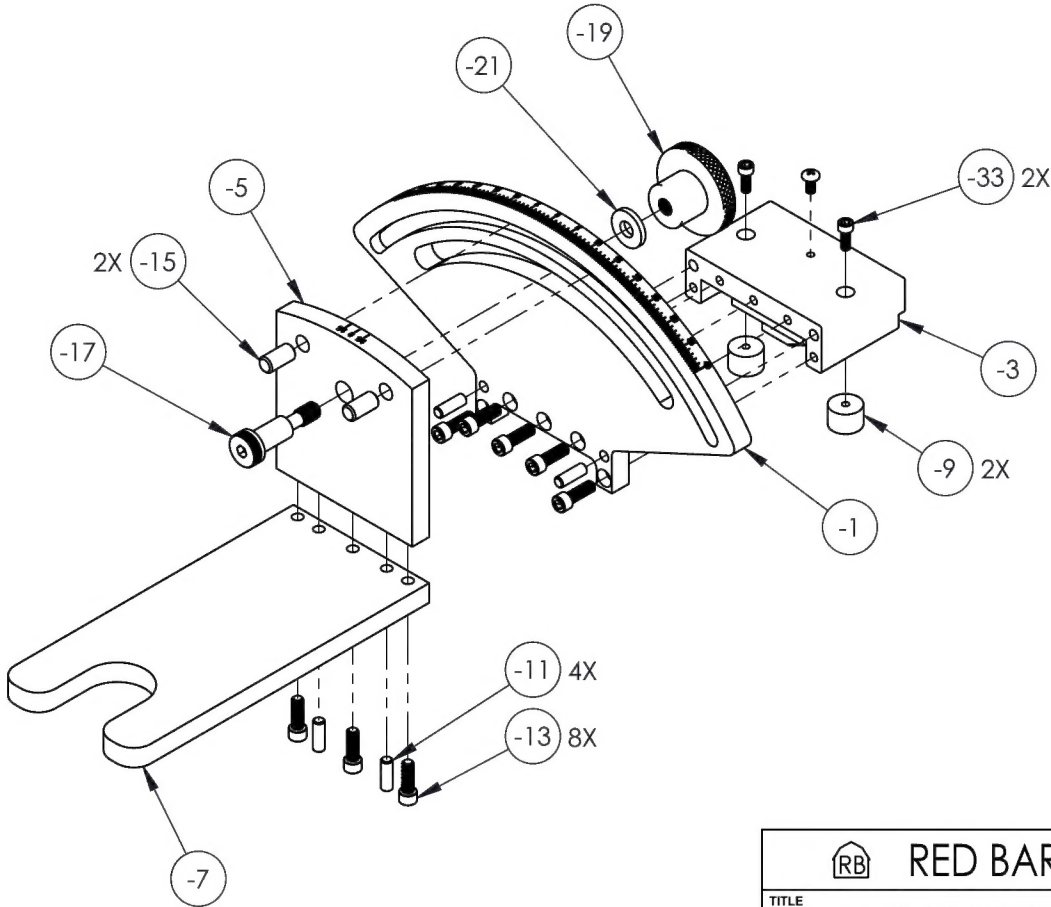
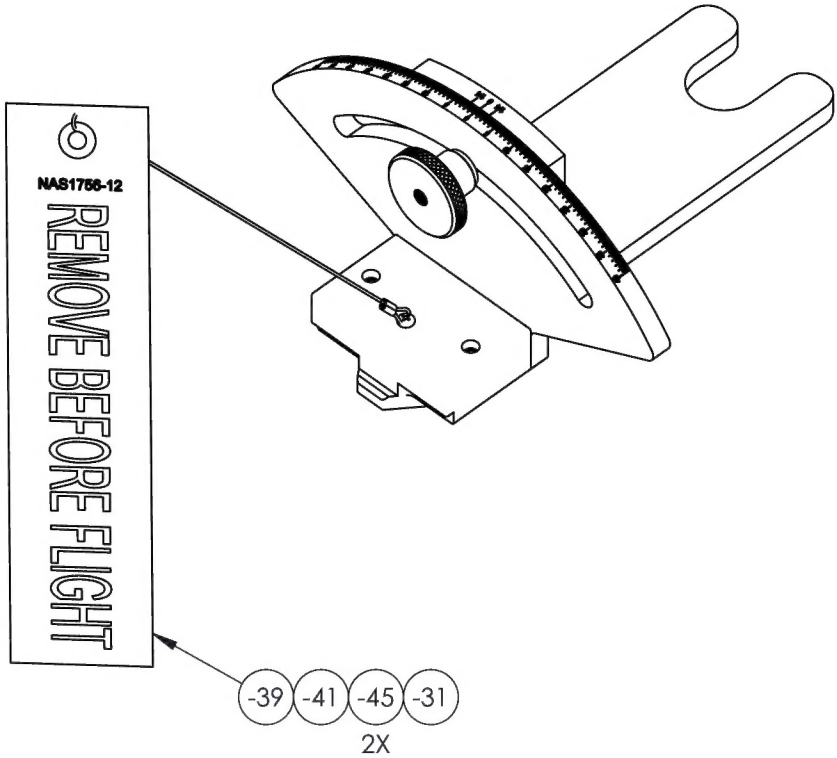


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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
1		CHANGED TO A SMALLER CASE, WAS PELICAN 1650, NOW PELICAN 1550. PER DAVE	6/18/2009	WP	DW	
2		ALTERED -3 TO FIT PERNORTHROP; REPLACED REAR CHAMFER WITH STEP. CHANGED DIM 2.052 TO 2.040 AND DIM 2.142 TO 2.132. CREATED REAR RECESSED ARE FOR CLEARANCE PER NORTHROP. CORRECTED -5 THREADED HOLE DEPTH FROM .265 TO .625 (TYPO). ENLARGED EARS, WAS R.313 NOW R.375 AND ADDED P.F. .0005 MAX TOLERANCE TO STOPCRACKING. DELETED -27 SCREW DRIVER AND -29 LANYARD PER NORTHROP. DELETED ORIGINAL PAGE 8, NOW ORIGINAL PAGE 9 IS PAGE 8 DELETED -17 SHOULDER BOLT MACHINING, NOW JUST A DIFFERENT BUY OUT NUMBER. CHANGED -21 WASHER FROM Ø1/2 S.S. TO 7/16 POLYURETHANE MACHINED TO Ø.498 I.D WITH DWG., ON Pg. 7. ALSO ADDED ENGRAVING NOTE. DELETED SCREW DRIVER CUT OUT FROM -25 BOTTOM FOAM.	8/4/2009	WP	-	
3		REMOVED REAR RECESSED AREA AND CREATED A 1.00 X .25 STEP FOR ADDED CLEARANCE. DELETED MACHINED ASSEMBLIES -2 & -4 AND THEIR ASSOCIATING PAGES 2 & 5.	8/19/2009	WP	-	
4		CHANGED -15 DOWEL PIN FROM 1 TO 3/4 LONG. SHT 2 ADDED .270 DP SLOT SHT 3 CORRECTED TYPO IN REV 3. STEP IS 1.20. SHT 4 REMOVED EARS, MOVED HOLES FOR P.F. PINS INTO BODY. SHT 5 REMOVED WASHER AND KNOB DWG., ADDED BOLT DWG. SHT 6 UPDATED DIMENSIONS SHT 7, ADDED THIS SHEET.	8/25/2011	JAG	-	
5		-3. CHANGED C-BORE ØFROM .53 TO .73 BOM, CORRECTED B/O INFO FOR -1, -3, -5, & -7. -9 CHANGED FROM 5679K13 TO 5679K15. -17 IS MODIFIED.	9/6/2011	JAG	RW	
6		CH'D -33 FROM 3/4 TO 1/2 & P/N PER R.W. CH'D -1 ANGLE FROM 41° TO 40.25° & 82° TO 80.5°. CH'D Ø.2526-.2512 TO Ø.2505-.2500. CH'D Ø.196 THRU HOLE CALL-OUT FROM THIS SIDE C-BORE Ø.73 DEPTH .500. CH'D -5 Ø.499 HOLE TO Ø.4965-4960 & Ø.2526-.2512 TO Ø.2505-.2500. PER G.E. ADDED -43 CUOUT IN LID FOR TOOL CLEARNCE & ON BOTTOM OF FOAM FOR PIN CLEARANCE. ADDED GD&T PER S.E.	4/13/2012	RJC	GE	
6A		DELETED RB PLACARD FROM ASSEMBLY AND ADDED ENGRAVE NOTE ON SHEET ONE PER E.B.	5/23/2012	RJC	EB	
6B		-1 CORRECTED 12" TEXT TO 1/2"	11/25/2013	JAG	GE	
7	14-0157	-1 DELETED DIMS 115°, 104°, 80.5°, 5.060, BASIC .875, BASIC .940. ADDED DIMS 2X BASIC 1.815, 2X 65°, 1.775. CH'D DIMS WAS BASIC 1.775 IS 2X BASIC 1.775, WAS 52° IS 2X 52°, WAS 40.25° IS 2X 40.25°, WAS .56 IS 3X .56, WAS .315 IS 2X .32, WAS BASIC 3.550 IS 3.55, WAS .500 IS (.50). ADDED DETAIL A. -3 CH'D DIM WAS Ø.785 IS Ø.750. DELETED DIMS (38.67°), (.250). ADDED DIMS 1.775, 3.550, 3X .875. CH'D DIMS WAS 1.071-1.074 IS 1.064, WAS 2X BASIC .312 IS 2X .312, WAS 5X .875 IS 2X BASIC .875, WAS 15X R.06 IS 12X R.06, WAS 2X BASIC 1.775 IS BASIC 1.775, WAS 2X BASIC 3.550 IS BASIC 3.550, WAS .47 IS 2X .47. ADDED SECTION B-B. -5 DELETED DIM 5.500. CH'D DIMS WAS .250 IS 3X .250, WAS BASIC .250 IS 2X BASIC .250, WAS .500 IS (.50). ADDED DETAILS C & D. -7 DELETED DIM .250. CH'D DIMS WAS 5X BASIC .250 IS 2X BASIC .250, WAS 6.942 IS 3X 6.942. -25 UPDATED DIMENSIONING STYLE. CH'D DIM WAS 6X R.75 IS 8X R.75. -43 CH'D MAT'L WAS EGGSHELL IS Y-20 BLACK. UPDATED DIMENSION STYLE. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	9/22/2014	DPD	GE	

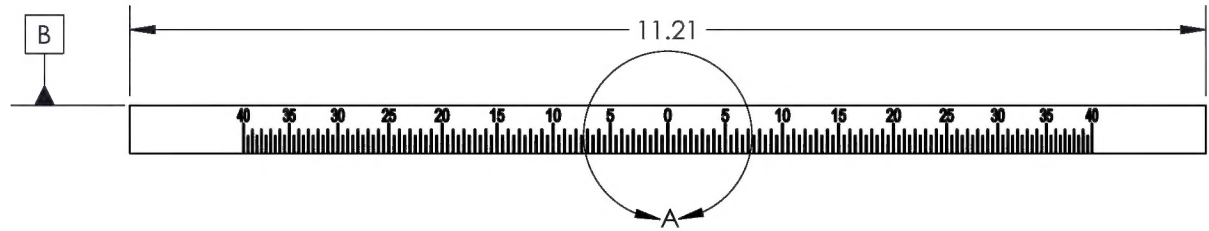


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	DEGREE PLATE	MIC 6	1/2 X 6-1/4 X 11-3/8	2
			-3	1	BLOCK BASE	6061	2-1/2 X 3 X 4-1/4	3
			-5	1	SWIVEL PLATE	MIC 6	1/2 X 4-1/4 X 5-1/8	4
			-7	1	EXTENSION PLATE	MIC 6	1/2 X 4-1/4 X 8-7/8	5
		B/O	-9	2	MAGNETS W/ STEEL HOUSING	NEODYMIUM	Ø3/4 X 1/2; #10-32 UNF MCMaster-CARR #5679K15	1
		B/O	-11	4	DOWEL PIN	S.S.	Ø1/4 X 3/4 MCMaster-CARR #90145A540	1
		B/O	-13	8	SOCKET HEAD CAP SCREW	S.S.	1/4-20 X 3/4 MCMaster-CARR #92196A540	1
		B/O	-15	2	DOWEL PIN	S.S.	Ø3/8 X 3/4 MCMaster-CARR #90145A622	1
			-17	1	SOCKET HEAD SHOULDER BOLT	S.S.	3/8-16 X Ø1/2 X 1-1/4 MCMaster-CARR #90298A714 (MODIFIED)	6
		B/O	-19	1	KNURLED KNOB	S.S.	3/8-16 UNC MCMaster-CARR #60205K271	1
		B/O	-21	1	FLAT WASHER	POLYURETHANE	Ø3/8 ID X Ø7/8 OD X 1/8 MCMaster-CARR #94045K165	1
		B/O	-23	1	PELICAN CASE	PLASTIC	APP-1550E	NS
		B/O	-25	1	CASE BOTTOM FOAM	Y-20, BLACK	18.94 X 14.50 X 5.87 I.R. SPECIALTIES	7
		B/O	-31	1	PHILLIPS PAN HEAD MACHINE SCREW	S.S.	#10-32 UNF X 3/8 MCMaster-CARR #91772A827	1
		B/O	-33	2	SOCKET HEAD CAP SCREW	S.S.	#10-32 X 1/2 MCMaster-CARR #92196A269	1
		B/O	-35	1	RED BARN PLACARD	ALUMINUM	RB41009	NS
		B/O	-39	1	REMOVE BEFORE FLIGHT	NYLON	NAS 1756-12	1
		B/O	-41	1	LANYARD	COATED STEEL	Ø1/16 X 14 CARR LANE #CL2C	1
		B/O	-43	1	CASE TOP FOAM	Y-20, BLACK	18.73 X 14.28 X 1.79 I.R. SPECIALTIES	8
		B/O	-45	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 MCMaster-CARR #3896T31	1

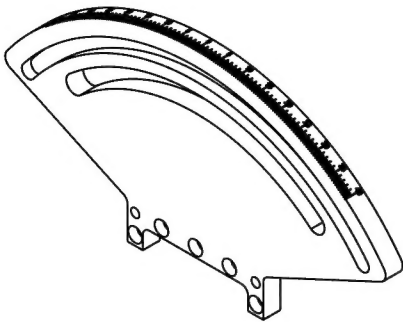
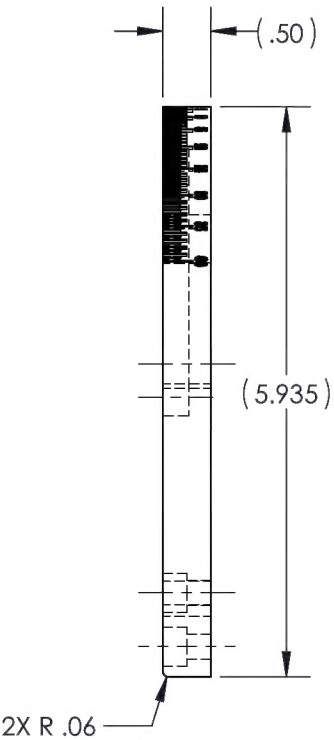
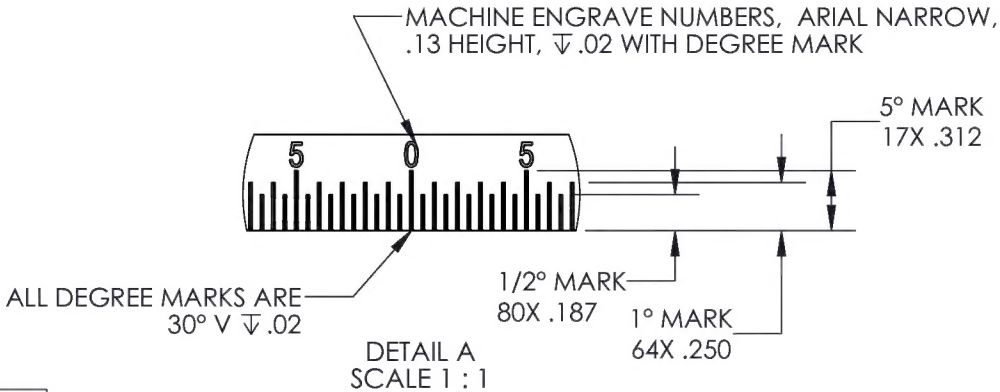
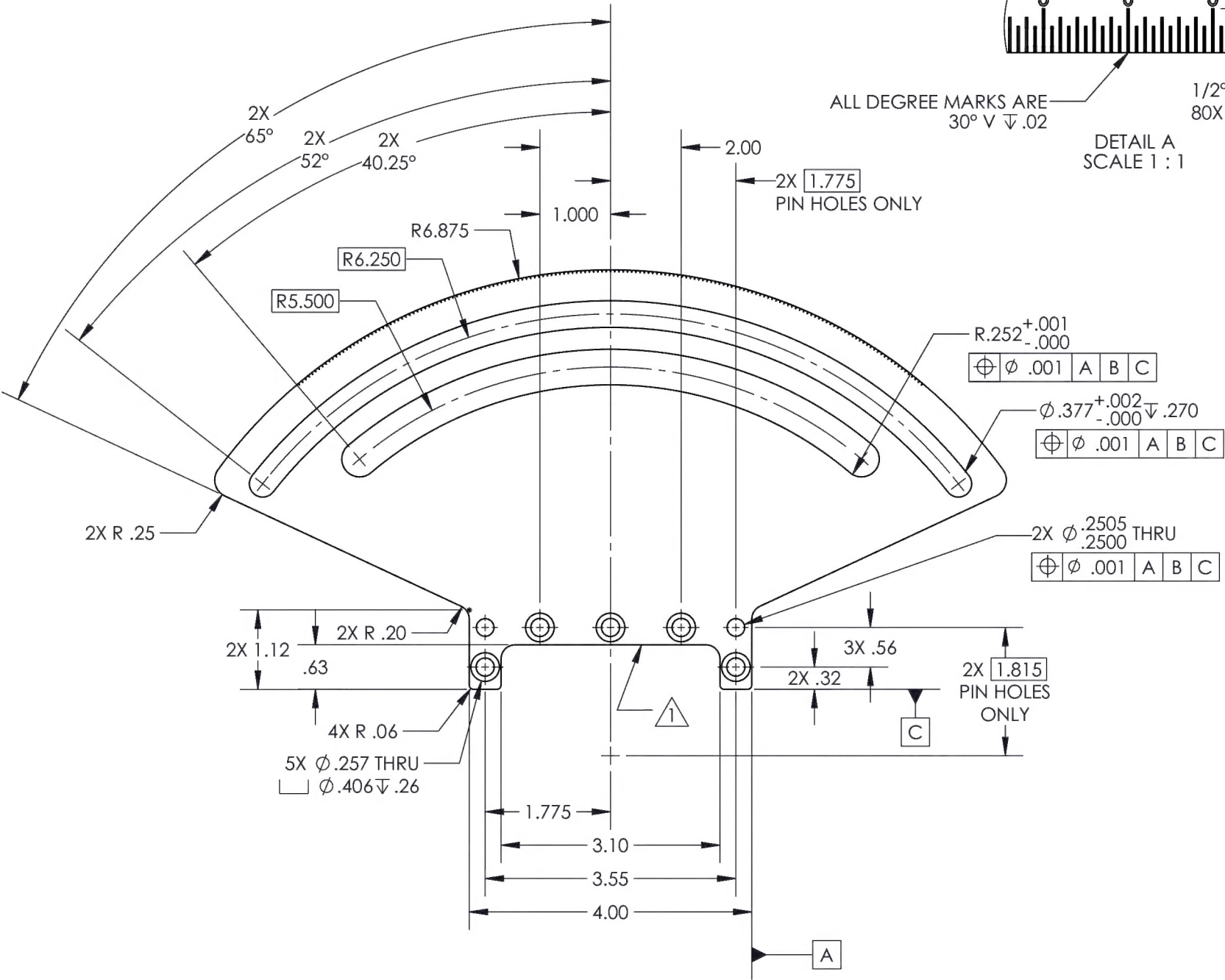
RED BARN MACHINE			
TITLE			
M/R BLADE PITCH GAUGE			
DWG NO.			REV
RBT18664			7
MAT'L		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		FIRE SCOUT	
SCALE	1:4	DATE	5/21/2009
		SHEET 1 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		CHANGED R.250 TO R.251 FOR MANEUVERING CLEARANCE. ALSO ADDED ENGRAVING NOTE	-	-	-
4		ADDED .270 DP SLOT	8/24/2011	JAG	-
6		CH'D -1 ANGLE FROM .41° TO 40.25° & 82° TO 80.5°, CH'D Ø.2526-.2512 TO Ø.2505-.2500 PER G.E.	4/13/2012	RJC	GE
68		CORRECTED 12" TEXT TO 1/2"	11/25/2013	JAG	GE
7	14-0157	-1 DELETED DIMS 115°, 104°, 80.5°, 5.060, BASIC .875, BASIC .940. ADDED DIMS 2X BASIC 1.815, 2X 65°, 1.775. CH'D DIMS WAS BASIC 1.775 IS 2X BASIC 1.775, WAS 52° IS 2X 52°, WAS 40.25° IS 2X 40.25°, WAS .56 IS 3X .56, WAS .315 IS 2X .32, WAS BASIC 3.550 IS 3.55, WAS .500 IS (.50). ADDED DETAIL A.	9/25/2014	DPD	GE



HIDDEN LINES REMOVED FOR CLARITY



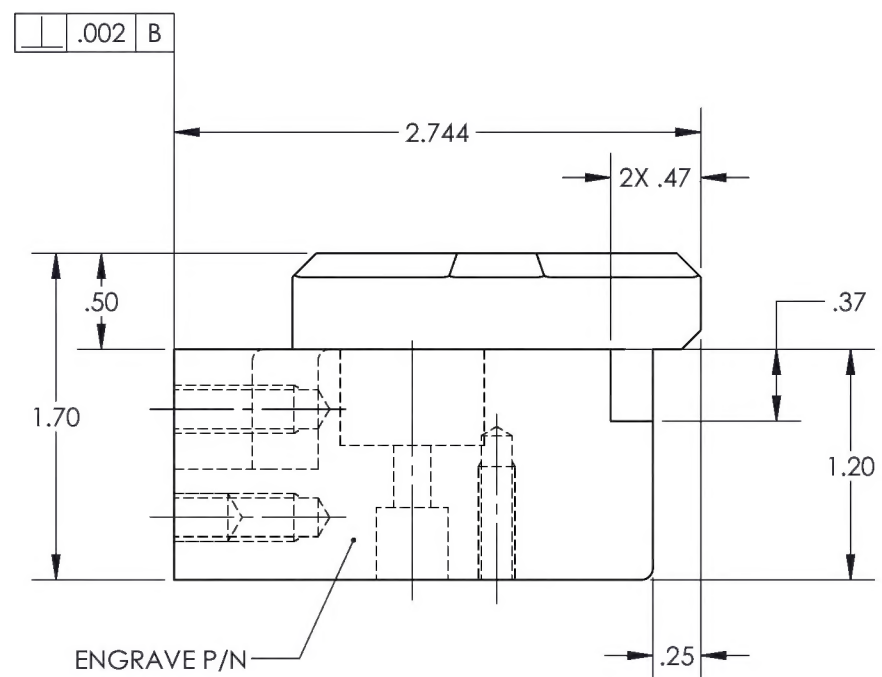
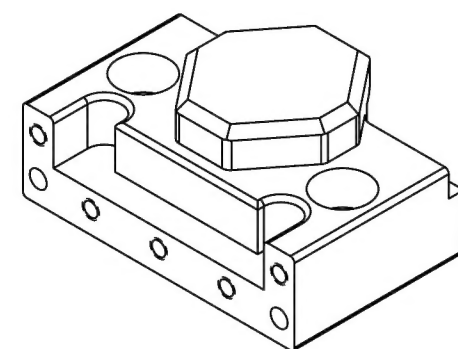
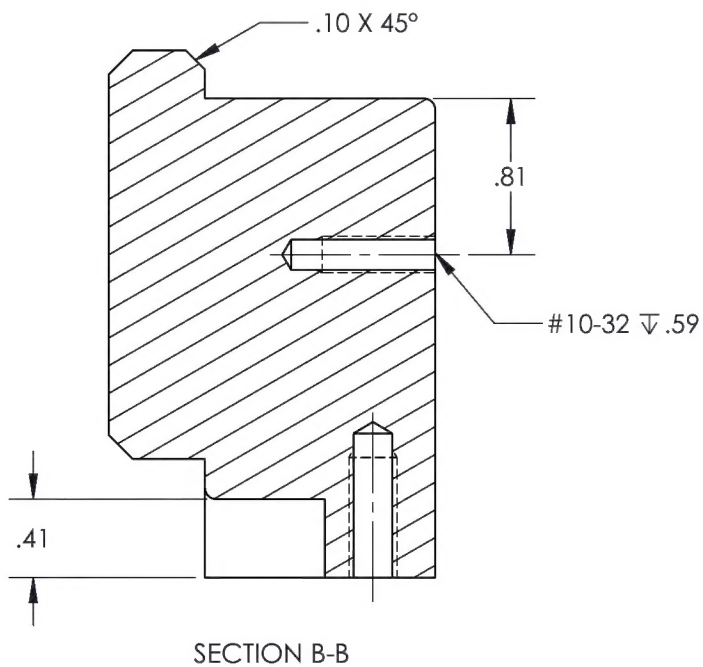
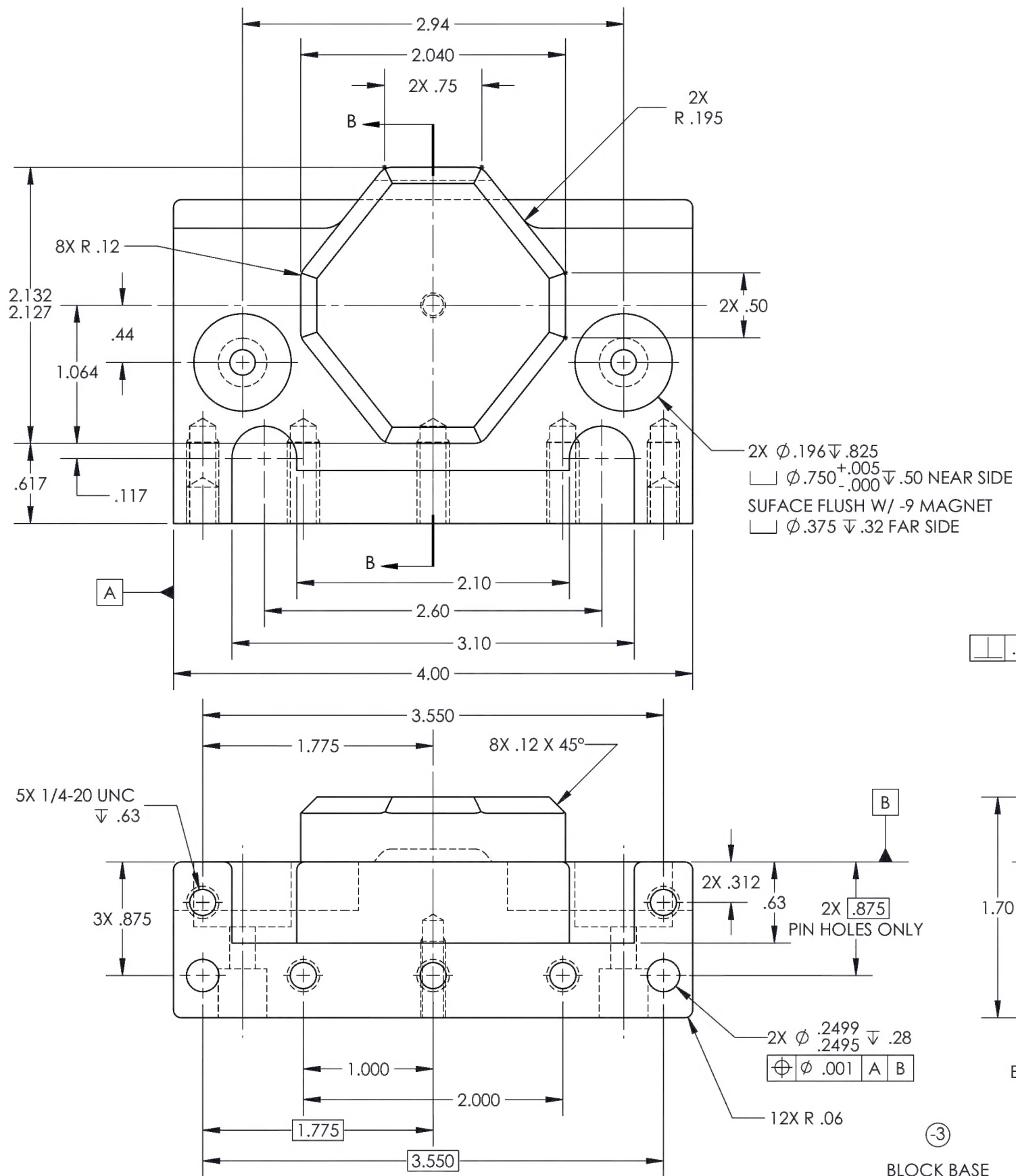
NOTE:  
1 ENGRAVE P/N.

RED BARN MACHINE			
TITLE M/R BLADE PITCH GAUGE			
DWG NO. RBT18664-1			REV 7
MAT'L MIC 6		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		TREAT	
.XX ± .01		FINISH RED ANODIZE	
.X ± .1		SPEC MIL-A-8625F, TYPE II, CLASS II	
1. BREAK ALL SHARP EDGES .015 x 45°		USED ON MODEL	
OR .015R		FIRE SCOUT	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:2	DATE 5/21/2009	SHEET 2 OF 8	



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		ALTERED -3 TO FIT PER NORTHROP; REPLACED REAR CHAMFER WITH STEP, CHANGED DIM 2.052 TO 2.040, AND DIM 2.142 TO 2.132. CREATED REAR RECESSED AREA FOR CLEARANCE PER NORTHROP. ALSO ADDED ENGRAVING NOTE.	8/4/2009	WP	-
3		REMOVED REAR RECESSED AREA AND CREATED A 1.00 X .25 STEP FOR ADDED CLEARANCE.	8/19/2009	WP	-
4		CORRECTED TYPO IN REV 3. STEP IS 1.20	8/25/2011	JAG	-
5		CHANGED C-BORE Ø FROM .53 TO .73	9/6/2011	JAG	RW
6		CH'D Ø.196 THRU HOLE CALL-OUT FROM THIS SIDE C-BORE Ø.73 DEPTH .500 PER G.E. ADDED GD&T PER S.E.	4/13/2012	RJC	GE
7	14-0157	-3 CH'D DIM WAS Ø.785 IS Ø.750. DELETED DIMS (38.67°), (.250). ADDED DIMS 1.775, 3.550, 3X .875. CH'D DIMS WAS 1.071-1.074 IS 1.064, WAS 2X BASIC .312 IS 2X .312, WAS 5X .875 IS 2X BASIC .875, WAS 15X R.06 IS 12X R.06, WAS 2X BASIC 1.775 IS BASIC 1.775, WAS 2X BASIC 3.550 IS BASIC 3.550, WAS .47 IS 2X .47. ADDED SECTION B-B.	9/25/2014	DPD	GE



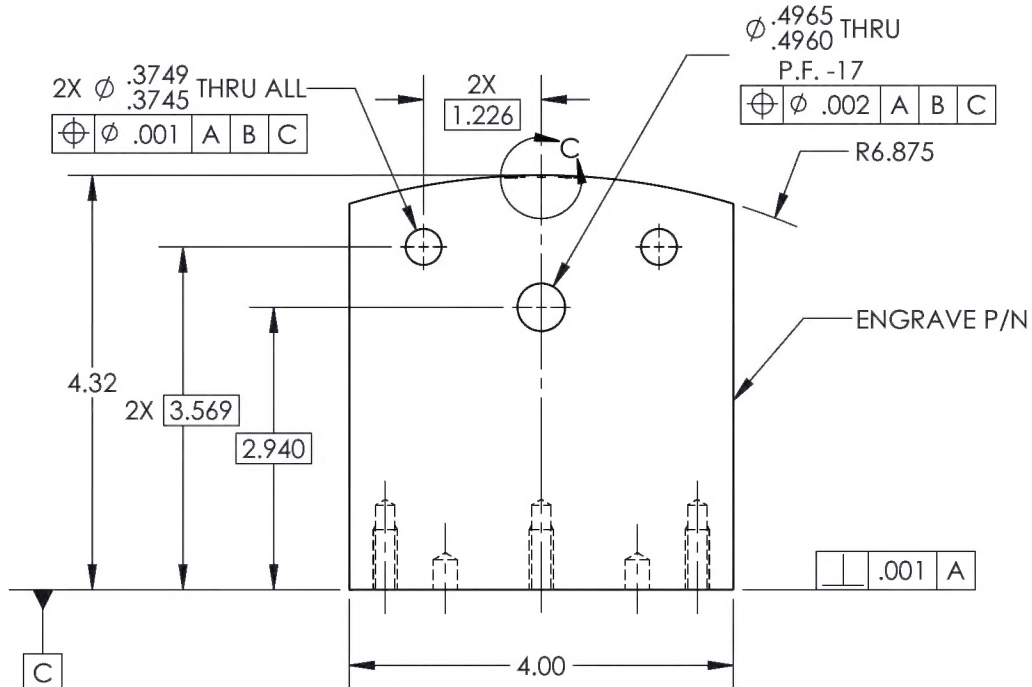
③  
BLOCK BASE

RED BARN MACHINE			
TITLE M/R BLADE PITCH BAUGE			
DWG NO. RBT18664-3			REV 7
MAT'L 6061		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX $\pm$ .005		TREAT	
.XX $\pm$ .01		FINISH	
.X $\pm$ .1		RED ANODIZE	
1. BREAK ALL SHARP EDGES .015 X 45° OR .015R		SPEC MIL-A-8625F, TYPE II, CLASS II	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL FIRE SCOUT	
SCALE 1:1	DATE 5/21/2009	SHEET 3 OF 8	

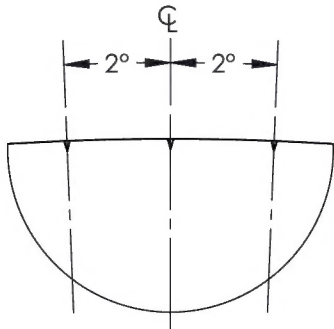
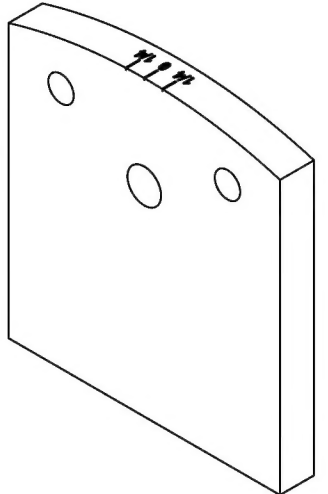
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		CORRECTED -5 THREADED HOLE DEPTH FROM .265 TO .625 [TYPO]. ENLARGED EARS WAS R.313 NOW R.375 AND ADDED P.F. .0005MAX TOLERANCE TO STAPCRACKING. ALSO ADDED ENGRAVING NOTE.	8/4/2009	WP	-
4		REMOVED EARS, MOVED HOLES FOR F.F. PINS INTO BODY	8/25/2011	JAG	-
6		CH'D -5 Ø.499 HOLE TO Ø.4965-.4960 & .2512-.2526 TO Ø.2500-.2505 PER G.E. ADDED GD&T PER S.E.	4/13/2012	RJC	GE
7	14-0157	<b>-5</b> DELETED DIM 5.500. CH'D DIMS WAS .250 IS 3X .250, WAS BASIC .250 IS 2X BASIC .250, WAS .500 IS (.50). ADDED DETAILS C & D.	9/25/2014	DPD	GE

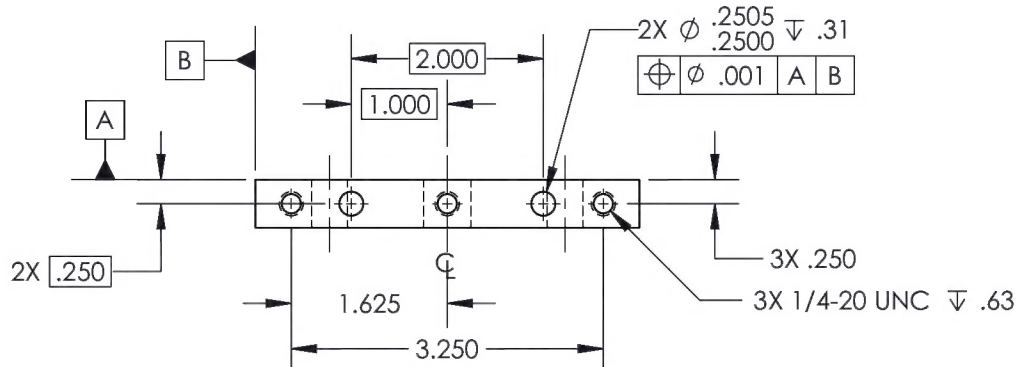
A diagram of a beam with a circular hole. The hole is labeled 'D' at the top. Inside the hole, there are three vertical lines, each labeled '1/4'. To the right of the hole, there is a vertical line with a downward arrow labeled '( .50 )' and an upward arrow.




DETAIL D  
SCALE 1 : 1



DETAIL C  
SCALE 2 : 1

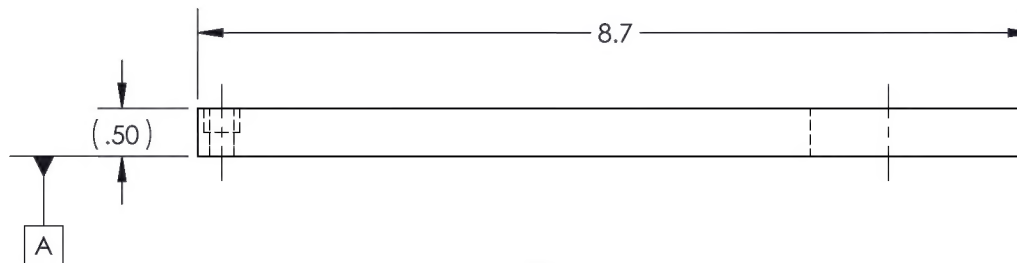
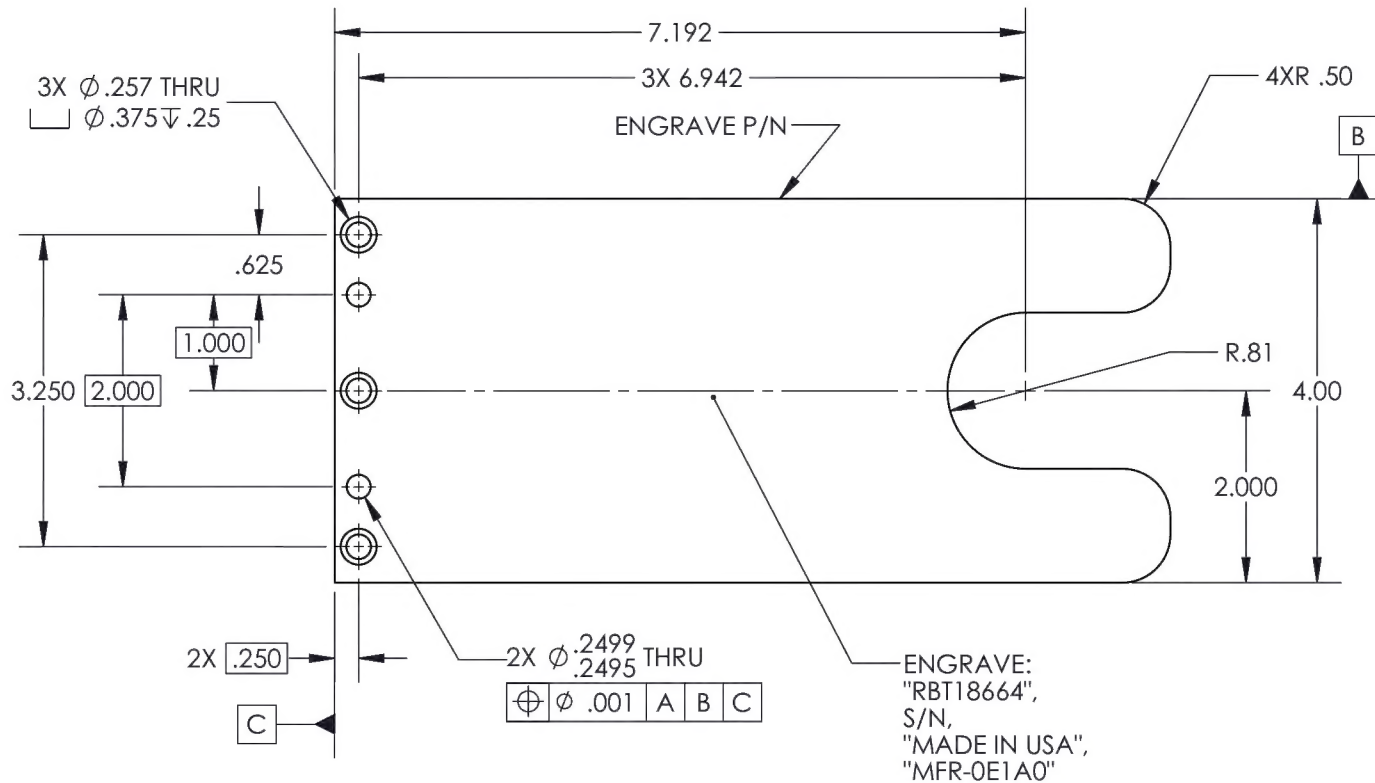


SWIVEL PLATE

 <h1>RED BARN MACHINE</h1>	
TITLE <h2>M/R BLADE PITCH GAUGE</h2>	
DWG NO. <h3>RBT18664-5</h3>	REV <h3>7</h3>
MAT'L MIC 6 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/8 .XX ± .01      ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	DRAWN BY: PERRITT APPROVED <i>D Weill</i> HEAT TREAT FINISH RED ANODIZE SPEC MIL-A-8625F, TYPE II, CLASS II USED ON MODEL FIRE SCOUT
SCALE 1:2	DATE 5/21/2009
SHEET 4 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		ADDED WASHER DWG. CENTER HOLE WAS 3/8; ALSO ADDED ENGRAVING NOTE.	8/4/2009	WP	-
4		REMOVED WASHER AND KNOB DWG.	8/25/2011	JAG	-
6		ADDED -7 GD&T PER S.E.	4/13/2012	RJC	SE
7		-7 DELETED DIM .250. CH'D DIMS WAS 5X BASIC .250 IS 2X BASIC .250, WAS 6.942 IS 3X 6.942.	9/25/2014	DPD	GE

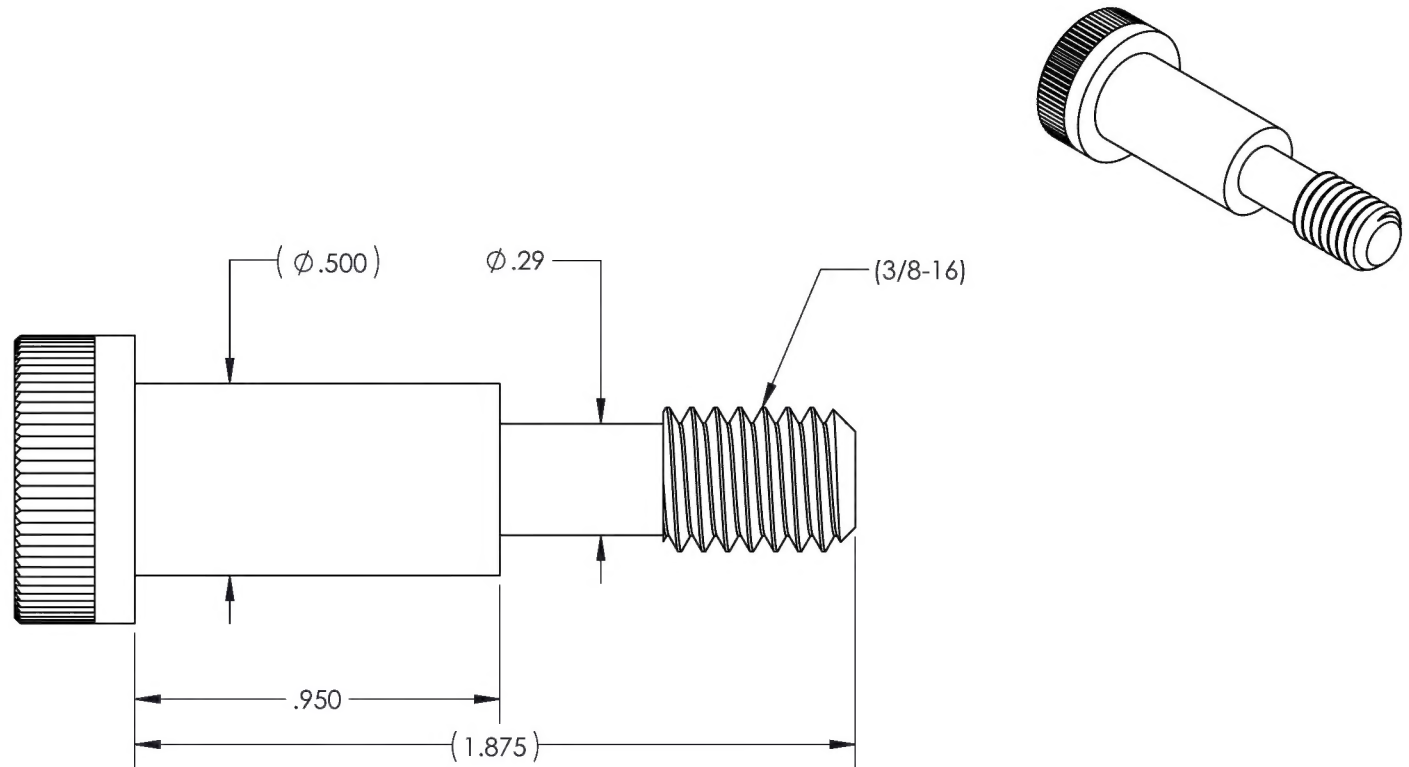


(-7)  
EXTENSION PLATE

<b>RED BARN MACHINE</b>	
<b>M/R BLADE PITCH GAUGE</b>	
DWG NO.	REV 7
RBT18664-7	
MAT'L MIC 6	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH RED ANODIZE
.X ± .1	SPEC MIL-A-8625F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FIRE SCOUT
SCALE 1:2	DATE 5/21/2009
SHEET 5 OF 8	


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4		ADDED BOLT DWG.	8/25/2011	JAG	-



(-17)

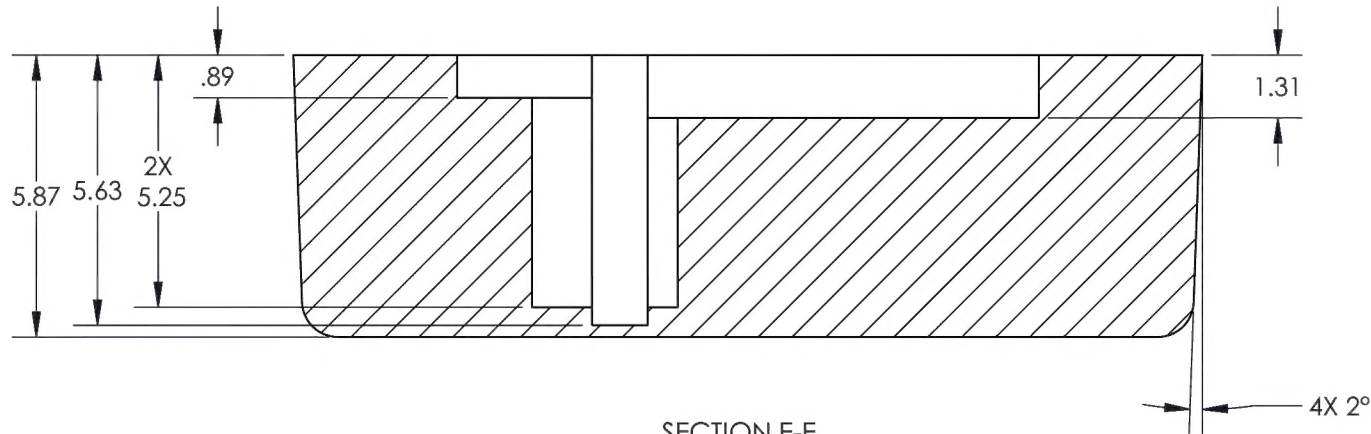
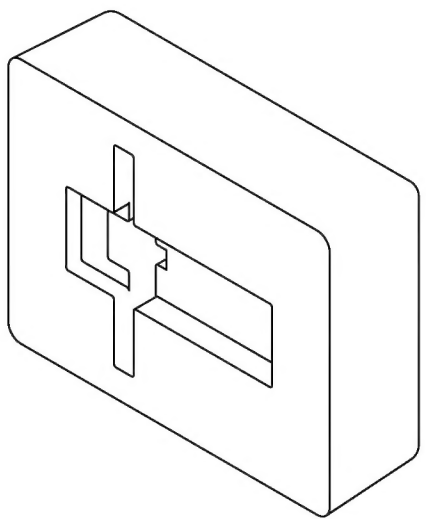
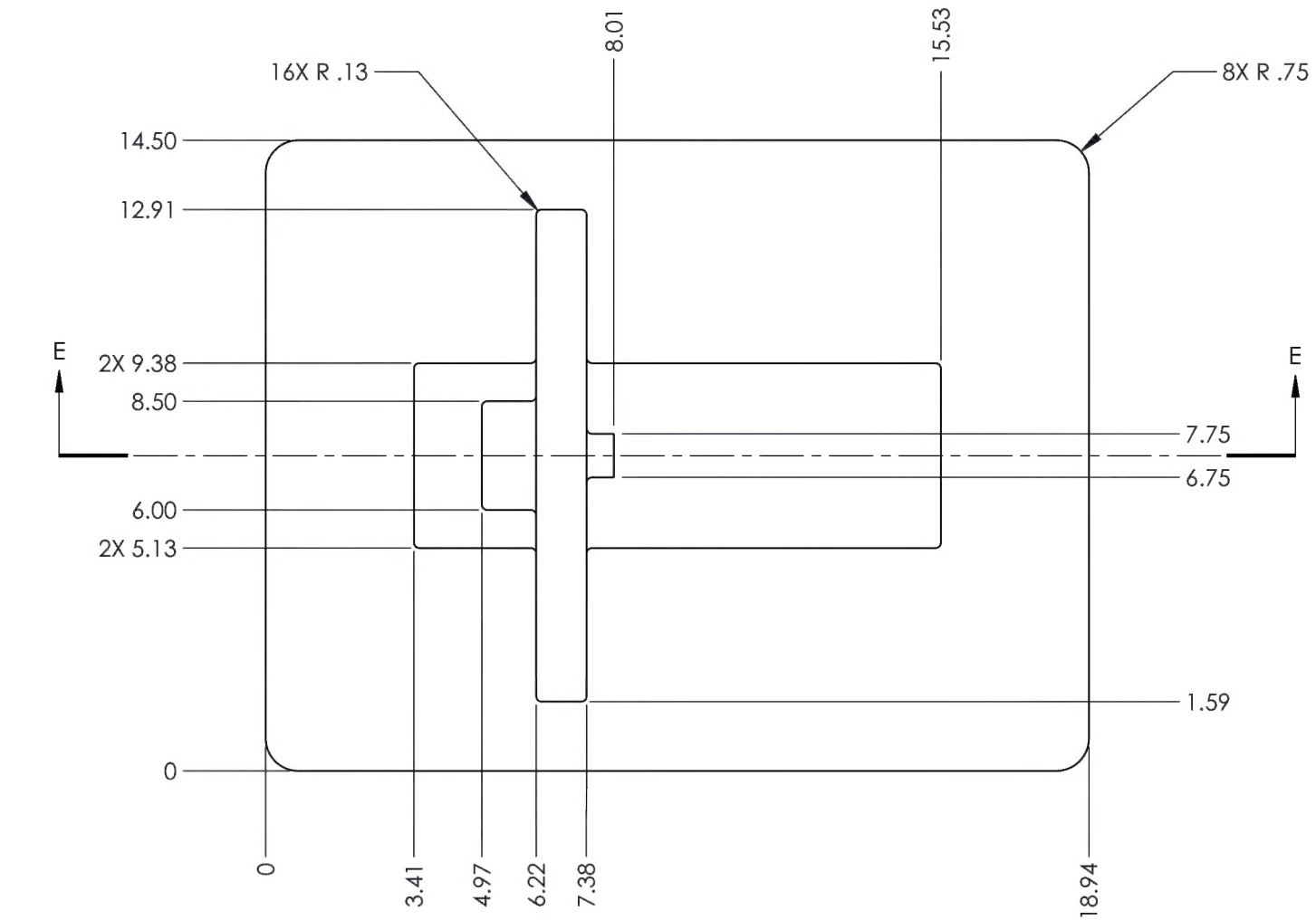
SOCKET HEAD SHOULDER BOLT

 <b>RED BARN MACHINE</b>	
TITLE <b>M/R BLADE PITCH GAUGE</b>	
DWG NO. <b>RBT18664-17</b>	REV <b>7</b>
MAT'L S.S.	DRAWN BY: <b>PERRITT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	<b>FIRE SCOUT</b>
SCALE <b>2:1</b>	DATE <b>5/21/2009</b>
SHEET 6 OF 8	



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CHANGED TO A SMALLER CASE, WAS PELICAN 1650, NOW PELICAN 1550. PER DAVE.	6/18/2009	WP	-
2		DELETED ORIGINAL PAGE 8, NOW ORIGINAL PAGE 9 IS PAGE 8. DELETED SCREW DRIVER CUT OUT. DELETED -17 SHOULDER BOLT MACHINING, NOW JUST A B/O.	8/4/2009	WP	-
4		UPDATED DIMENSIONS	8/25/2011	JAG	-
7	14-0157	-25 UPDATED DIMENSIONING STYLE. CH'D DIM WAS 6X R.75 IS 8X R.75.	9/26/2014	DPD	GE



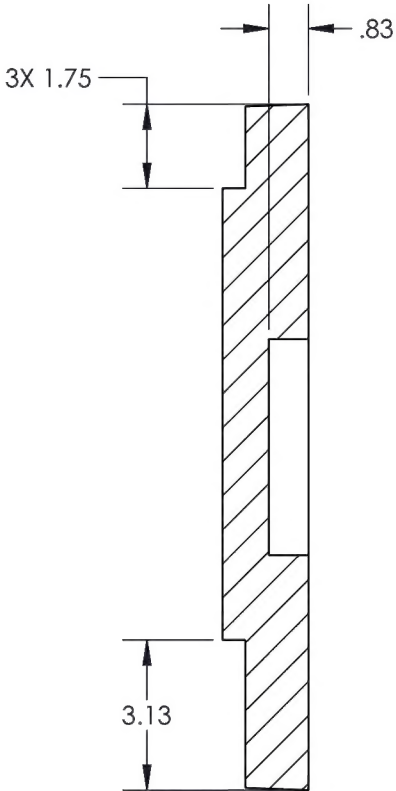
SECTION E-E

(-25)  
CASE BOTTOM FOAM

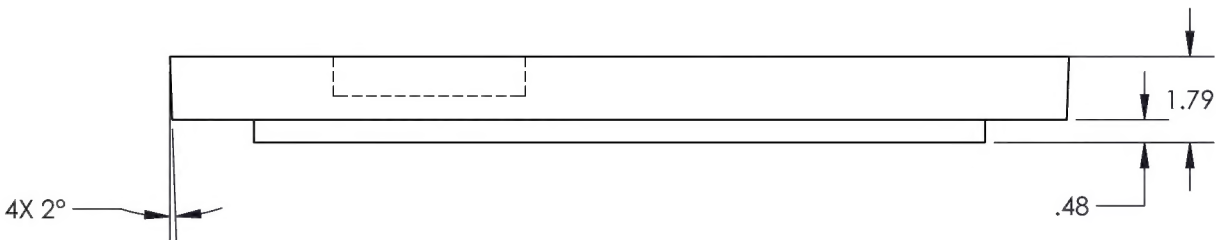
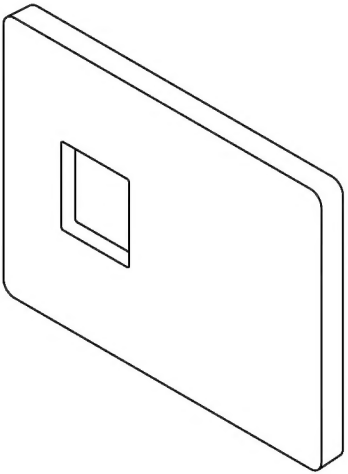
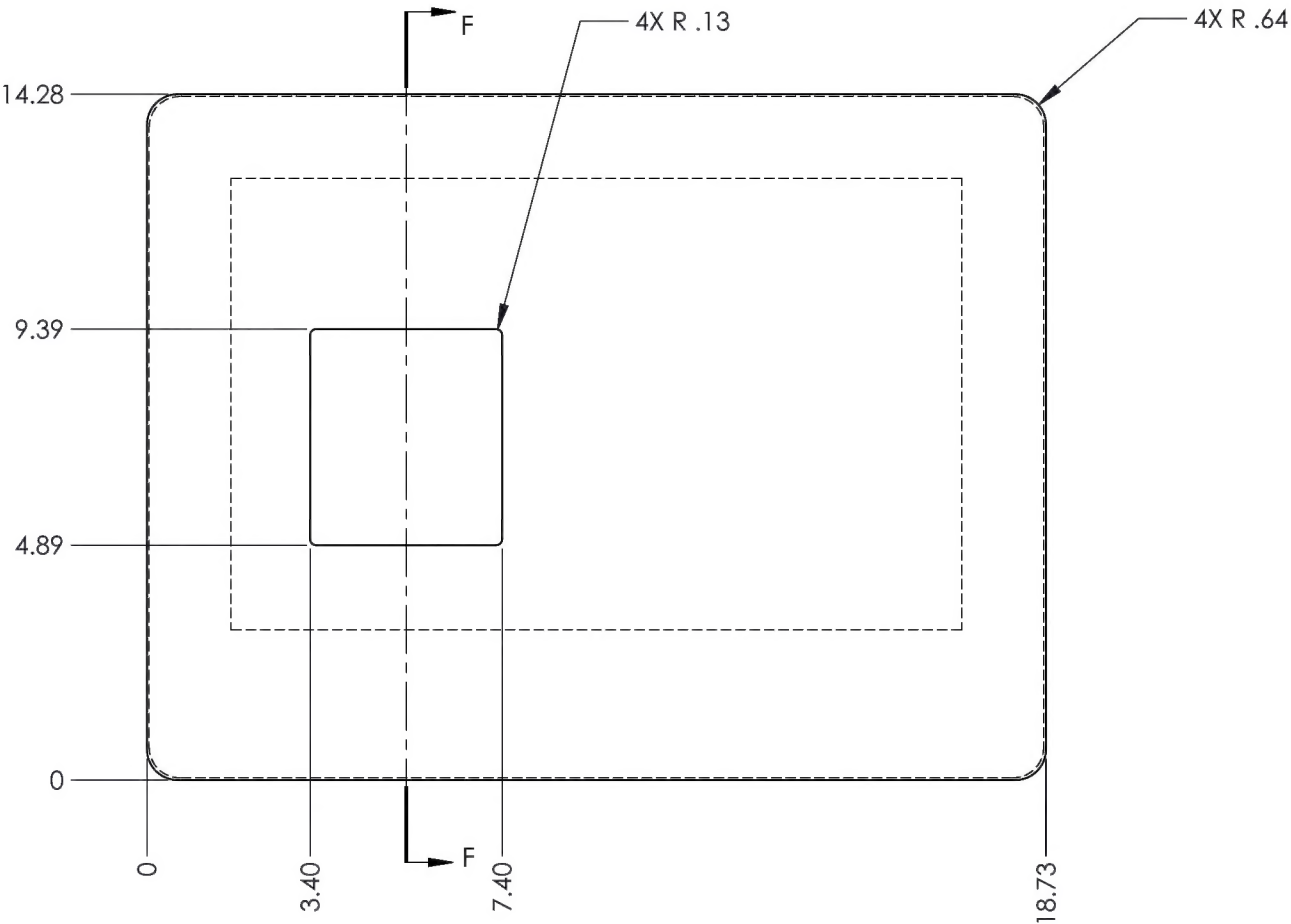
RB RED BARN MACHINE	
TITLE M/R BLADE PITCH GAUGE	
DWG NO. RBT18664-25	REV 7
MAT'L Y-20, BLACK	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED D Weil
.XXX ± .005 .XX ± .01 .X ± .1	TREAT FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC
USED ON MODEL	
SCALE 1:4	DATE 5/21/2009
SHEET 7 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4		ADDED THIS SHEET	8/25/2011	JAG	-
6		ADDED -43 CUTOUT IN LID FOR TOOL CLEARANCE & ON BOTTOM OF FOAM FOR PIN CLEARANCE.	4/13/2014	RJC	RW
7	14-0157	-43 CH'D MAT'L WAS EGGHELL IS Y-20 BLACK. UPDATED DIMENSION STYLE.	9/26/2014	DPD	GE



SECTION F-F



-43

CASE TOP FOAM

RED BARN MACHINE			
TITLE M/R BLADE PITCH GAUGE			
DWG NO. RBT18664-43			REV 7
MAT'L Y-20, BLACK		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:4	DATE 5/21/2009	SHEET 8 OF 8	